

# ELECTRICAL MECHANIC

(Department of Public Works)

**THE PURPOSE** of this position is to inspect, install, service, repair, and maintain electrical equipment for the City's street lighting, traffic control, water and sewer instrumentation, communication network systems, buildings and facilities.

## **ESSENTIAL FUNCTIONS:**

- Inspect, install, service, repair, and/or maintain the following:
  - Overhead and underground wires, cables, transformers, switchgear and other accessories, underground conduits, manholes, and vaults.
  - Electronic/electrical and mechanical equipment and poles used to carry wires and cables.
  - Computerized systems, monitoring/control systems, DC battery systems, high voltage systems (<5KV), variable speed drive equipment, HVAC systems, alarms and various motor types.
  - Cranes, telemetry, fiber optic and metallic cable, data-line telemetry, parking control, and other electric/electronic systems.
  - Programmable logic controllers (PLCs) and all types of raceway systems.
- Drive or operate commercial and/or non-commercial vehicles as needed in assigned work unit.

## **CONDITION OF EMPLOYMENT INCLUDE:**

1. Electrical Mechanics **must** be available for emergency call-in work, as needed. Evening, weekend and holiday work may be assigned on a rotating schedule.

*Reasonable accommodations requested by qualified individuals with disabilities will be made in accordance with the Americans With Disabilities Act (ADA) of 1990.*

## **MINIMUM REQUIREMENTS:**

1. A Commercial Driver's License (CDL) A, B and C covering general, air brakes and combination sections within six months of appointment (contingent upon assigned work unit) and throughout employment.
2. Residency in the City of Milwaukee within 6 months of appointment and throughout employment.

## **REQUIRED KNOWLEDGE, SKILLS AND ABILITIES:**

- **Ability to use color-coded wiring systems (cannot be color-blind)**
- Knowledge of electrical wiring, circuitry, and/or electronic components.
- Ability to read and interpret wiring diagrams, blueprints, and other electrical specifications.
- Ability to use hand tools and other mechanical equipment common to the electrical profession.
- Ability to work at heights of up to 100 feet and to climb up and down ladders
- Ability to work in confined underground spaces.
- Ability to move equipment or materials weighing up to 100 pounds.
- Ability to perform job-related tasks outdoors under extreme weather conditions.
- Practical knowledge of work involved in the installation, repair, and maintenance of the electrical systems as described in the essential functions above

## **PREFERRED QUALIFICATIONS:**

- Successful completion of an electrical apprenticeship program
- Three (3) years of experience as a certified, journey-level Electrician, performing duties related to this position.
- State certification as a Master or Journey-level Electrician.

**THE CURRENT HOURLY RATE OF PAY (978) IS:** \$29.55 with excellent benefits. NOTE: An Electrical Mechanic who has not successfully completed the City of Milwaukee Electrical Mechanic Apprenticeship program shall receive, while serving his/her initial probationary period as an Electrical Mechanic, an hourly rate equal to ninety percent (90%) of the hourly rate of a City Electrical Mechanic.

**THE SELECTION PROCESS** will be job related and will consist of one or more of the following: training and experience evaluation; written, oral or performance examinations; or other assessment methods. The Department of Employee Relations reserves the right to call only the most qualified candidates to oral and performance examinations. Oral examinations may include written exercises. Selection process component weights will be determined by further analysis of the job.

The examination will be held as soon as practical after **April 23, 2010.** Receipt of applications may be discontinued after this date without prior notice. However, recruitment may continue until the needs of the city have been met. Qualified applicants will be notified by mail of the date, time, and place of the examination.